

1A) 6. (Amended) An ionic compound having a cation of the onium type with at least one heteroatom comprising N, O, S or P bearing the positive charge and the anion including, in whole or in part, at least one imide ion of the type $(FX^1O)N^+(OX^2F)$ wherein X^1 and X^2 are the same or different and comprise SO or PF, wherein the compound comprises at least an anion selected from Cl^- ; Br^- ; I^- ; NO_3^- ; $M(R^{10})_4^-$; $A(R^{10})_6^-$; $R^{11}YO_2^-$; $R^{11}YONZ^{1-}$; $R^{11}YOCZ^2Z^3^-$; 4,5-dicyano-1,2,3-triazole; 3,5-bis(R_F)-1,2,4-triazole; tricyanomethane; pentacyanocyclopentadiene; pentakis(trifluormethyl)cyclopentadiene; and barbituric acid, and;

-M is B, Al, Ga or Bi;

-A is P, As and Sb;

- R^{10} is a halogen;

- R^{11} represents H, F, alkyl, alkenyl, aryl, arylalkyl, alkylaryl, arylalkenyl, alkenylaryl, dialkylamino, alkoxy or thioalkoxy, each having from 1 to 18 carbon atoms and being unsubstituted or substituted with one or more oxa, thia, or aza substituents, and wherein one or more hydrogen atoms are optionally replaced with halogen in a ratio of 0 to 100%, and eventually being part of polymeric chain;

- Y represents C, SO, $S=NCN$, $S=C(CN)_2$, PR^{11} , $P(NCN)R^{11}$, $P(C(CN)_2)R^{11}$, and when Y is $P(NCN)R^{11}$ or $P(C(CN)_2)R^{11}$, then $R^{11}YO_2$, $R^{11}YONZ^1$, and $R^{11}YOCZ^2Z^3$ become $R^{11}YO$, $R^{11}YNZ^1$, and $R^{11}YCZ^2Z^3$, respectively, an alkyl, alkenyl, aryl, arylalkyl, alkylaryl,

arylalkenyl, alkenylaryl having from 1 to 18 carbon atoms and optionally substituted by one or more oxa, thia or aza; a dialkylamino group $N(R^{11})_2$;

-Z¹, Z², and Z³ represent independently R¹¹, R¹¹YO or CN, this group being optionally part of a polymeric chain.

26. (Amended) A method of using an electrolytic composition, comprising the step of:

carrying out chemical or electrochemical reactions involving soluble species in a medium comprising said electrolytic composition,

wherein said electrolytic composition comprises at least one ionic compound of low melting point having a cation of the onium type with at least heteroatom such as N, O, S or P bearing the positive charge and the anion including, in whole or in part, at least one imide ion of the type $(FX^1O)N^-(OX^2F)$, in combination with at least another component comprising a metallic salt, a polar polymer and/or an aprotic co-solvent.

27. (Amended) The method according to claim 26, wherein the composition is used as a medium for Diels-Alder, Friedel-Craft, mixed aldolization, condensation, polymerization, nucleophilic substitution, and electrophilic substitution reactions.